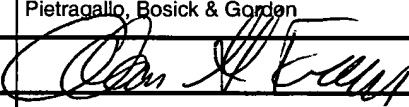


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OLPE TRANSMITTAL FORM JUL 20 2005 U.S. PATENT & TRADEMARK OFFICE (to be used for all correspondence after initial filing)	Application Number	10/674,154
	Filing Date	September 29, 2003
	First Named Inventor	Felix Anthony Perriello
	Art Unit	1724
	Examiner Name	Chester T. Barry
Total Number of Pages in This Submission	Attorney Docket Number	GLOB 63966


ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	- Response to Restriction Requirement
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> Request for Refund	- Form PTO/SB/08A
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	- Form PTO/SB/08B
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	- 6 documents
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	- return postcard

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Pietragallo, Bosick & Gordon		
Signature			
Printed name	Alan G. Towner		
Date	July 18, 2005	Reg. No.	32,949

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Alan G. Towner	Date	July 18, 2005

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/674,154 Confirmation No. 1902
Applicant : Felix Anthony Perriello
Filed : September 29, 2003
Title : METHODS AND APPARATUS FOR TREATING
AGRICULTURAL WASTE AND PRODUCING
PLANT GROWTH-ENHANCING MATERIAL
Art Unit : 1724
Examiner : Chester T. Barry
Docket No. : GLOB 63966
Customer No. : 29694

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

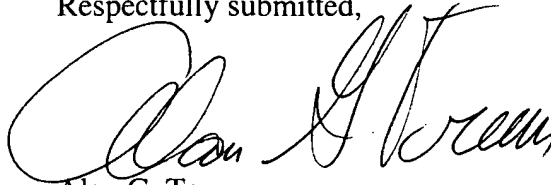
July 18, 2005

Sir:

Pursuant to the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits the attached Forms PTO/SB/08A and PTO/SB/08B for consideration of the cited documents during prosecution of the subject application. Copies of most of the cited documents can be found in the files corresponding to Serial No. 10/400,963, filed March 27, 2003 and Serial No. 10/282,891, filed October 29, 2002, which are relied upon under 35 U.S.C. § 120. Since the present application claims priority from the 10/400,963 and 10/282,891 applications, copies of such cited documents are not submitted with this Statement. Copies of the non-U.S. patent documents which were not cited in the 10/400,963 and 10/282,891 applications are enclosed herewith. If it would facilitate prosecution of this application, Applicant would be willing to submit copies of the non-U.S. patent documents upon request by the Examiner.

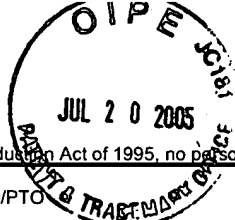
This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the Examiner of the art cited or an independent search by the Examiner, and no representation of any nature is made or intended by the filing of this Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Alan G. Towner", written in a cursive style.

Alan G. Towner
Registration No. 32,949
Pietragallo, Bosick & Gordon
One Oxford Centre, 38th Floor
301 Grant Street
Pittsburgh, PA 15219
Attorney for Applicant

(412) 263-4340



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

6

Complete if Known

Application Number	10/674,154
Filing Date	September 29, 2003
First Named Inventor	Felix A. Perriello
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	GLOB 63966

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,474,833	07-05-1949	Eweson	
		US- 2,947,619	08-02-1960	Gorby	
		US- 2,969,279	01-24-1961	Pierson	
		US- 3,138,448	06-23-1964	Schulze	
		US- 3,183,171	05-11-1965	Schreiner	
		US- 3,184,891	05-25-1965	Frantzen	
		US- 3,185,117	05-25-1965	Frantzen	
		US- 3,198,620	08-03-1965	Larson	
		US- 3,235,369	02-15-1966	Eweson	
		US- 3,242,071	03-22-1966	Walker	
		US- 3,361,555	01-02-1968	Herschler	
		US- 3,372,658	03-12-1968	Ammann	
		US- 3,474,001	10-21-1969	Leavitt	
		US- 3,550,319	12-29-1970	Gaines Jr.	
		US- 3,616,216	10-26-1971	Wegner	
		US- 3,661,549	05-09-1972	Freytag et al.	
		US- 3,741,393	06-26-1973	Estes et al.	
		US- 3,756,784	09-04-1973	Pittwood	
		US- 3,794,582	02-26-1974	Lackme et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0098138	01-11-1984	Exxon Research&Engin'ring		
		DE 4142063	12-19-1991	Wisstrans Umwelt GmbH		
		DE 4203830	08-1993	Kneer Franz		
		JP 07050955	02-1995	Nagaura		
		WO 9719036	05-1997	Helsinki Univ.		
		JP 10306003	11-1998	Yazawa et al.		

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**INFORMATION DISCLOSURE
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Sheet **2** of **6****Complete if Known**

Application Number	10/674,154
Filing Date	September 29, 2003
First Named Inventor	Felix A. Perriello
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	GLOB 63966

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 3,813,290	05-28-1974	Heilweil et al.	
		US- 3,824,092	07-16-1974	Wikstrom et al.	
		US- 3,846,290	11-05-1974	Raymond	
		US- 3,969,446	07-13-1976	Franklin Jr.	
		US- 4,033,763	07-05-1977	Markels Jr.	
		US- 4,111,808	09-05-1978	Fair	
		US- 4,119,429	10-10-1978	Lovness	
		US- 4,249,929	02-10-1981	Kneer	
		US- 4,321,142	03-23-1982	Starr	
		US- 4,328,175	05-04-1982	Roeckel et al.	
		US- 4,385,121	05-24-1983	Knowlton	
		US- 4,454,077	06-12-1984	Litz	
		US- 4,522,723	06-11-1985	Kaufmann et al.	
		US- RE 31,924	06-25-1985	Starr	
		US- 4,529,701	07-16-1985	Seely	
		US- 4,645,603	09-22-1987	Frankl	
		US- 4,695,378	09-22-1987	Ackman et al.	
		US- 4,713,343	12-15-1987	Wilson Jr. et al.	
		US- RE 32,562	12-15-1987	Litz	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE 19857870	06-2000	Res & Dev Renewable		
		WO 03/037066	05-08-2003	Perriello et al.		
		WO 03/053143	07-2003	Perriello		

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Sheet **3** of **6****Complete if Known**

Application Number	10/674,154
Filing Date	September 29, 2003
First Named Inventor	Felix A. Perriello
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	GLOB 63966

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 4,737,289	04-12-1988	Castaldi et al.	
		US- 4,789,478	12-06-1988	Revis et al.	
		US- 4,790,940	12-13-1988	Castaldi et al.	
		US- 4,906,454	03-06-1990	Melanson et al.	
		US- 4,956,080	09-11-1990	Josefik	
		US- 5,006,250	04-09-1991	Roberts et al.	
		US- 5,037,551	08-06-1991	Barkley et al.	
		US- 5,038,715	08-13-1991	Fahs II	
		US- 5,057,221	10-15-1991	Bryant et al.	
		US- 5,061,406	10-29-1991	Cheng	
		US- 5,062,956	11-05-1991	Lupton et al.	
		US- 5,073,309	12-17-1991	Bousquet et al.	
		US- 5,082,652	01-21-1992	Mayfield et al.	
		US- 5,085,809	09-04-1992	Stirling	
		US- 5,147,441	09-15-1992	Megeed	
		US- 5,169,532	12-08-1992	Whitlock	
		US- 5,192,354	03-09-1993	Drysdale et al.	
		US- 5,266,096	11-30-1993	Slavensky	
		US- 5,277,815	01-11-1994	Beeman	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet 4 of 6

Complete if Known

Application Number	10/674,154
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Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	GLOB 63966

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,302,179	04-12-1994	Wagner	
		US- 5,302,286	04-12-1994	Semprini et al.	
		US- 5,314,076	05-24-1994	La Place et al.	
		US- 5,316,940	05-31-1994	Georgiou et al.	
		US- 5,326,703	07-05-1994	Hazen et al.	
		US- 5,337,820	08-16-1994	Jenneman et al.	
		US- 5,342,769	08-30-1994	Hunter et al.	
		US- 5,354,688	10-11-1994	Francis et al.	
		US- 5,384,048	01-24-1995	Hazen et al.	
		US- 5,397,481	03-14-1995	Mattus	
		US- 5,441,885	08-15-1995	Goldberg et al.	
		US- 5,441,887	08-15-1995	Hanson et al.	
		US- 5,494,576	02-27-1996	Hoppe et al.	
		US- 5,512,479	04-30-1996	Steffan	
		US- 5,525,239	06-11-1996	Duske	
		US- 5,529,693	06-25-1996	Yano et al.	
		US- 5,538,529	07-23-1996	Northrop	
		US- 5,651,890	07-29-1997	Trost	
		US- 5,660,730	08-26-1997	Lucchese et al.	

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Sheet 5 of 6

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Application Number	10/674,154
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First Named Inventor	Felix A. Perriello
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	GLOB 63966

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		Number-Kind Code ² (if known)			
		US- 5,678,632	10-21-1997	Moses et al.	
		US- 5,697,186	12-16-1997	Neyra et al.	
		US- 5,733,067	03-31-1998	Hunt et al.	
		US- 5,733,355	03-31-1998	Hibino et al.	
		US- 5,738,703	04-14-1998	Bandurski	
		US- 5,755,852	05-26-1998	Northrop	
		US- 5,755,858	05-26-1998	Barnett	
		US- 5,789,236	08-04-1998	Jenneman	
		US- 5,802,996	09-08-1998	Baxter	
		US- 5,814,514	09-29-1998	Steffan et al.	
		US- 5,820,759	10-13-1998	Stewart et al.	
		US- 5,833,855	11-10-1998	Saunders	
		US- 5,916,491	06-29-1999	Hills	
		US- 5,925,290	07-20-1999	Hills	
		US- 5,951,978	09-14-1999	Red'kina	
		US- 6,039,874	03-21-2000	Teran et al.	
		US- 6,105,309	08-22-2000	Takayanagi	
		US- 6,183,644	02-06-2001	Adams et al.	
		US- 6,194,193	02-27-2001	Drahos et al.	

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Attorney Docket Number	GLOB 63966

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 6,194,197	02-27-2001	Hyman et al.	
		US- 6,200,475	03-13-2001	Chen	
		US- 6,217,766	04-17-2001	Stetter et al.	
		US- 6,303,366	10-16-2001	Steffan et al.	
		US- 6,306,302	10-23-2001	Maree et al.	
		US- 6,322,700	11-27-2001	Suthersan	
		US- 6,361,694	03-26-2002	Trost	
		US- 6,383,388	05-07-2002	Krauter et al.	
		US- 6,391,209	05-21-2002	Belongia et al.	
		US- 6,461,510	10-08-2002	Boles et al.	
		US- 6,474,264	11-05-2002	Grimberg et al.	
		US- 2004/0050764	03-18-2004	Perriello	
		US- 2004/0124137	07-01-2004	Perriello	
		US- 6,848,212	02-01-2005	Layzell et al.	
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FOREIGN PATENT DOCUMENTS

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				Application Number	10/674,154
				Filing Date	September 29, 2003
				First Named Inventor	Felix A. Perriello
				Group Art Unit	1724
				Examiner Name	Chester T. Barry
Sheet	1	of	10	Attorney Docket Number	GLOB 63966

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		WILSON ET AL., "Biotransformation of Trichloroethylene in Soil," <i>Applied and Environmental Microbiology</i> , January, 1985; p.242-243, Vol. 49, No. 1.	
		NELSON ET AL., "Aerobic Metabolism of Trichloroethylene by a Bacterial Isolate," <i>Applied and Environmental Microbiology</i> , August 1986, p. 383-384, Vol. 52.	
		LITTLE ET AL., "Trichloroethylene Biodegradation by a Methane-Oxidizing Bacterium," <i>Applied and Environmental Microbiology</i> , April 1988, p. 951-956, Vol. 54.	
		ARCIERO ET AL. "Degradation of Trichloroethylene by the Ammonia-Oxidizing Bacterium <i>Nitrosomonas europaea</i> ," <i>Biochemical and Biophysical Research Communications</i> , March 15, 1989; p. 640-643, Vol. 159, No. 2.	
		OLDENHUIS ET AL., "Degradation of Chlorinated Aliphatic Hydrocarbons by <i>Methylosinus trichosporium</i> OB3b Expressing Soluble Methane Monooxygenase," <i>Applied and Environmental Microbiology</i> , November 1989; p. 2819-2826, Vol. 55, No. 11.	
		TSIEN ET AL., "Biodegradation of Trichloroethylene by <i>Methylosinus trichosporium</i> OB3b," <i>Applied and Environmental Microbiology</i> , December 1989; p. 3155-3161, Vol. 55, No. 12.	
		VANNELLI ET AL., "Degradation of Halogenated Aliphatic Compounds by the Ammonia-Oxidizing Bacterium <i>Nitrosomonas europaea</i> ," <i>Applied and Environmental Microbiology</i> , April 1990; p. 1169-1171, Vol. 56, No. 4.	
		FOLSOM ET AL. "Phenol and Trichloroethylene Degradation by <i>Pseudomonas cepacia</i> G4: Kinetics and Interactions Between Substrates," <i>Applied and Environmental Microbiology</i> , May 1990; p. 1279-1285, Vol. 56, No. 5.	

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Sheet	2	10	Attorney Docket Number	GLOB 63966

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		BROHOLM ET AL., "Toxicity of 1,1,1-Trichloroethane and Trichloroethene on a Mixed Culture of Methane-Oxidizing Bacteria", <i>Applied and Environmental Microbiology</i> , August 1990, p. 2488-2493, Vol. 56, No. 8.	
		HENRY ET AL., "Influence of Endogenous and Exogenous Electron Donors and Trichloroethylene Oxidation Toxicity on Trichloroethylene Oxidation by Methanotrophic Cultures from a Groundwater Aquifer," <i>Applied and Environmental Microbiology</i> , January 1991; p. 236-244, Vol. 57, No. 1.	
		OLDENHUIS ET AL., "Kinetics of Chlorinated Hydrocarbon Degradation by <i>Methylosinus trichosporium</i> OB3b and Toxicity of Trichloroethylene," <i>Applied and Environmental Microbiology</i> , January 1991; p. 7-14, Vol. 57, No. 1.	
		ALVAREZ-COHEN ET AL., "Product Toxicity and Cometabolic Competitive Inhibition Modeling of Chloroform and Trichloroethylene Transformation by Methanotrophic Resting Cells," <i>Applied Environmental Microbiology</i> , April 1991; p. 1031-1037, Vol. 57, No. 4.	
		BÜYÜKSÖNMEZ ET AL., "Optimization of Simultaneous Chemical and Biological Mineralization of Perchoethylene," <i>Applied and Environmental Microbiology</i> , June 1999; p. 2784-2788, Vol. 65, No. 6.	
		MAYMÓ-GATELL ET AL., "Reductive Dechlorination of Chlorinated Ethenes and 1, 2-Dichloroethane by ' <i>Dehalococcoides ethenogenes</i> ' 195," <i>Applied and Environmental Microbiology</i> , July 1999; p. 3108-3113, Vol. 65, No. 7.	
		HAMAMURA ET AL., "Diversity in Butane Monooxygenases Among Butane-Grown Bacteria," <i>Applied and Environmental Microbiology</i> , October 1999; p. 4586-4593, Vol. 65, No. 10.	

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		LÖFFLER ET AL., "16S rRNA Gene-Based Detection of Tetrachloroethene-Dechlorinating <i>Desulfuromonas</i> and <i>Dehalococcoides</i> Species," <i>Applied and Environmental Microbiology</i> , April 2000; p. 1369-1374, Vol. 66, No. 4.	
		FOGEL ET AL., Biodegradation of Chlorinated Ethenes by Methane-Utilizing Mixed Culture, <i>Applied and Environmental Microbiology</i> , April 1986, pp 720-724, Vol. 51, No. 4.	
		WACKETT ET AL., Survey of Microbial Oxygenases: Trichloroethylene Degradation by Propane-Oxidizing Bacteria, <i>Applied and Environmental Microbiology</i> , November 1989, pp 2960-2964, Vol. 55, No. 11.	
		FOX, Status and Trends in Bioremediation Treatment Technology, <i>Remediation</i> , Summer 1991, pp 293-303.	
		ALVAREZ-COHEN ET AL., Characterization of a Methane-Utilizing Bacterium from a Bacterial Consortium That Rapidly Degrades Trichloroethylene and Chloroform, <i>Applied and Environmental Microbiology</i> , June 1992, pp 1886-1893, Vol. 58, No. 6.	
		CHANG ET AL., Transformation Capacities of Chlorinated by Mixed Cultures Enriched on Methane, Propane, Toluene, or Phenol, <i>Biotechnology and Bioengineering</i> , November 9, 1994, pp 440-449, Vol. 45.	
		KIM ET AL., Aerobic Cometabolism of Chloroform and 1,1,1-Trichloroethane by Butane-Grown Microorganisms, <i>Bioremediation Journal</i> , 1997, pp 135-148, Vol. 1, No. 2.	

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		HAMAMURA ET AL., Chloroform Cometabolism by Butane-Grown CF8, <i>Pseudomonas butanovora</i> , and <i>Mycobacterium vaccae</i> JOB5 and Methane-Grown <i>Methylosinus trichosporium</i> OB3b, <i>Applied and Environmental Microbiology</i> , September 1997, pp 3607-3613, Vol. 63, No. 9.	
		STEFFAN ET AL., Biodegradation of the Gasoline Oxygenates Methyl tert-Butyl Ether, Ethyl tert-Butyl Ether, and tert-Amyl Methyl Ether by Propane-Oxidizing Bacteria, <i>Applied and Environmental Microbiology</i> , November 1997, pp 4216-4222, Vol. 63, No. 11.	
		DE BRUIN ET AL., "Complete Biological Reductive Transformation of Tetrachloroethene to Ethane", <i>Applied and Environmental Microbiology</i> , June 1992, p. 1996-2000, Vol. 58, No. 6. [ABSTRACT]	
		MOHN ET AL., "Reductive Dehalogenation of Chlorophenols by Desulfomonile tiedjei DCB-1", <i>Applied and Environmental Microbiology</i> , April 1992, p. 1367-1370, Vol. 58, No. 4. [ABSTRACT]	
		SO ET AL., "Initial Reactions in Anaerobic Alkane Degradation by a Sulfate Reducer, Strain AK-01", <i>Applied and Environmental Microbiology</i> , December 1999, p. 5532-5540, Vol. 65, No. 12. [ABSTRACT]	
		HAGGBLOM ET AL., "Influence of Alternative Electron Acceptors on the Anaerobic Biodegradability of Chlorinated Phenols and Benzoic Acids," <i>Applied and Environmental Microbiology</i> , April 1993; p. 1162-1167, Vol. 59, No. 4. [ABSTRACT]	
		RAMANAND ET AL., "Reductive Dehalogenation of Chlorinated Benzenes and Toluenes Under Methanogenic Conditions," <i>Applied and Environmental Microbiology</i> , October 1993; p. 3266-3272, Vol. 59, No. 10. [ABSTRACT]	

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		COATES ET AL., "Anaerobic Degradation of Polycyclic Aromatic Hydrocarbons and Alkanes in Petroleum-Contaminated Marine Harbor Sediments", <i>Applied and Environmental Microbiology</i> , September 1997, p. 3589-3593, Vol. 63, No. 9. [ABSTRACT]	
		SO ET AL., "Isolation and Characterization of a Sulfate-Reducing Bacterium that Anaerobically Degrades Alkanes", <i>Applied and Environmental Microbiology</i> , July 1999, p. 2969-2976, Vol. 65, No. 7. [ABSTRACT]	
		LAUE ET AL., "Taurine Reduction in Anaerobic Respiration of <i>Bilophila wadsworthia</i> RZATAU", <i>Applied and Environmental Microbiology</i> , May 1997, p. 2016-2021, Vol. 63, No. 5. [ABSTRACT]	
		WISCHNAK ET AL., " <i>Pseudomonas</i> sp. Strain 273, an Aerobic α,ω -Dichloroalkane Degrading Bacterium", <i>Applied and Environmental Microbiology</i> , September 1998, p. 3507-3511, Vol. 64, No. 9. [ABSTRACT]	
		YE ET AL., "Anaerobic Dechlorination of Polychlorobiphenyls (Aroclor 1242) by Pasteurized and Ethanol-Treated Microorganisms from Sediments", <i>Applied and Environmental Microbiology</i> , April 1992, p. 1110-1114, Vol. 58, No. 4. [ABSTRACT]	
		WIEGEL ET AL., "Anaerobic Dehalogenation of Hydroxylated Polychlorinated Biphenyls by <i>Desulfitobacterium dehalogenans</i> ", <i>Applied and Environmental Microbiology</i> , May 1999, p. 2217-2221, Vol. 65, No. 5. [ABSTRACT]	
		WU ET AL., "Establishment of a Polychlorinated Biphenyl-Dechlorinating Microbial Consortium, Specific for Doubly Flanked Chlorines, in a Defined, Sediment-Free Medium", <i>Applied and Environmental Microbiology</i> , January 2000, p. 49-53, Vol. 66, No. 1. [ABSTRACT]	

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		MIGUEZ ET AL., "Monitoring Methanotrophic Bacteria in Hybrid Anaerobic-Aerobic Reactors with PCR and a Catabolic Gene Probe", <i>Applied and Environmental Microbiology</i> , February 1999, p. 381-388, Vol. 65, No. 2. [ABSTRACT]	
		BEDARD ET AL., "Brominated Biphenyls Prime Extensive Microbial Reductive Dehalogenation of Aroclor 1260 in Housatonic River Sediment", <i>Applied and Environmental Microbiology</i> , May 1998, p. 1786-1795, Vol. 64, No. 5. [ABSTRACT]	
		WU ET AL., "Microbial Reductive Dechlorination of Aroclor 1260 in Anaerobic Slurries of Estuarine Sediments", <i>Applied and Environmental Microbiology</i> , March 1998, p. 1052-1058, Vol. 64, No. 3. [ABSTRACT]	
		SANFORD ET AL., "Characterization of Desulfitobacterium chlororespirans sp. nov., Which Grows by Coupling the Oxidation of Lactate to the Reductive Dechlorination of 3-chloro-4-hydroxybenzoate", <i>Applied and Environmental Microbiology</i> , October 1996, p. 3800-3808, Vol. 62, No. 10. [ABSTRACT]	
		NICHOLSON ET AL., "Reductive Dechlorination of Chlorophenols by a Pentachlorophenol-Acclimated Methanogenic Consortium", <i>Applied and Environmental Microbiology</i> , July 1992, p. 2280-2286, Vol. 58, No. 7. [ABSTRACT]	
		VON WINTZINGERODE ET AL., "Phylogenetic Analysis of an Anaerobic, Trichlorobenzene-Transforming Microbial Consortium", <i>Applied and Environmental Microbiology</i> , January 1999, p. 283-286, Vol. 65, No. 1. [ABSTRACT]	
		BEDARD ET AL., "Complete Reductive Dehalogenation of Brominated Biphenyls by Anaerobic Microorganisms in Sediment", <i>Applied and Environmental Microbiology</i> , March 1998, p. 940-947, Vol. 64, No. 3. [ABSTRACT]	

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		VAN EEKERT ET AL., "Degradation and Fate of Carbon Tetrachloride in Unadapted Methanogenic Granular Sludge", <i>Applied and Environmental Microbiology</i> , July 1998, p. 2350-2356, Vol. 64, No. 7. [ABSTRACT]	
		BRADLEY ET AL., "Anaerobic Oxidation of [1,2- ¹⁴ C]Dichloroethene Under Mn(IV)-Reducing Conditions", <i>Applied and Environmental Microbiology</i> , April 1998, p. 1560-1562, Vol. 64, No. 4. [ABSTRACT]	
		FISH ET AL., "Biotransformations of Aroclor 1242 in Hudson River Test Tube Microcosms", <i>Applied and Environmental Microbiology</i> , December 1994, p. 4289-4296, Vol. 60, No. 12. [ABSTRACT]	
		LOCHER ET AL., "Uptake of 4-Toluene Sulfonate by Comamonas testosteroni T-2", <i>J. Bacteriol.</i> , February 1993, p. 1075-1080, Vol. 175, No. 4. [ABSTRACT]	
		SUN ET AL., "Isolation and Characterization of <i>Desulfovibrio dechloracetivorans</i> sp. nov., a Marine Dechlorinating Bacterium Growing by Coupling the Oxidation of Acetate to the Reductive Dechlorination of 2-Chlorophenol", <i>Applied and Environmental Microbiology</i> , June 2000, p. 2408-2413, Vol. 66, No. 6. [ABSTRACT]	
		BOYLE ET AL., "Isolation from Estuarine Sediments of a <i>Desulfovibrio</i> Strain Which Can Grow on Lactate Coupled to the Reductive Dehalogenation of 2,4,6-Tribromophenol", <i>Applied and Environmental Microbiology</i> , March 1999, p. 1133-1140, Vol. 65, No. 3. [ABSTRACT]	
		COLE ET AL., "Isolation and Characterization of a Novel Bacterium Growing Via Reductive Dehalogenation of 2-Chlorophenol", <i>Applied and Environmental Microbiology</i> , October 1994, p. 3536-3542, Vol. 60, No. 10. [ABSTRACT]	

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		DOJKA ET AL., "Microbial Diversity in a Hydrocarbon- and Chlorinated-Solvent-Contaminated Aquifer Undergoing Intrinsic Bioremediation", <i>Applied and Environmental Microbiology</i> , October 1998, p. 3869-3877, Vol. 64, No. 10. [ABSTRACT]	
		HUR ET AL., "Metabolism of Chlorofluorocarbons and Polybrominated Compounds by <i>Pseudomonas putida</i> G786(pHG-2) via an Engineered Metabolic Pathway", <i>Applied and Environmental Microbiology</i> , November 1994, p. 4148-4154, Vol. 60, No. 11. [ABSTRACT]	
		EPA, "Sequential Anaerobic/Aerobic Biodegradation of PCE at Watertown, Massachusetts", Cost and Performance Report, March 2000.	
		HOLLIGER ET AL., "A Highly Purified Enrichment Culture Couples the Reductive Dechlorination of Tetrachloroethene to Growth", <i>Applied and Environmental Microbiology</i> , September 1993, p. 2991-2997, Vol. 59, No. 9. [ABSTRACT]	
		MADSEN ET AL., "Isolation and Characterization of an Anaerobic Chlorophenol-Transforming Bacterium", <i>Applied and Environmental Microbiology</i> , September 1992, p. 2874-2878, Vol. 58, No. 9. [ABSTRACT]	
		MOHN ET AL., "Limited Degradation of Chlorophenols by Anaerobic Sludge Granules", <i>Applied and Environmental Microbiology</i> , July 1992, p. 2131-2136, Vol. 58, No. 7. [ABSTRACT]	
		BAKER ET AL., <i>Bioremediation</i> , pp. 303-304, McGraw-Hill, Inc., 1994.	

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				Application Number	10/674,154
				Filing Date	September 29, 2003
				First Named Inventor	Felix A. Perriello
				Group Art Unit	1724
				Examiner Name	Chester T. Barry
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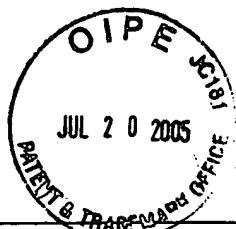
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		www.biobutane.com/may2000.htm (downloaded on 11/18/02) dated 05/01/2000.	
		www.biobutane.com/march2000.htm (downloaded on 11/18/02) dated 03/01/2000.	
		Global BioSciences, Inc. Powerpoint® brand audiovisual presentation (downloaded from web on 11/18/02) (undated).	
		Air & Waste Management Association Show New Products information sheet (posted June 25, 1999) at www.pollutionengineering.com/events/conferences/awma99/awmanp6.htm (downloaded 11/18/02).	
		WILSON ET AL., "Biological Treatment of Trichloroethylene and 1,1,1-Trichloroethane from Contaminated Air Streams", <i>Proceedings of Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Detection and Restoration</i> (The Westin Galleria, Houston, November 9-11, 1988), v2, pages 823-831, published 1989.	
		TODAR, 2002, <i>Pseudomonas aeruginosa</i> at http://www.bact.wisc.edu/Bact330/lecturepseudomonas	
		TOCCALINO ET AL., "Nitrogen Limitation and Nitrogen Fixation during Alkane Biodegradation in a Sandy Soil", <i>Applied and Environmental Microbiology</i> , September 1993; pp. 2977-2983, Vol. 59, No. 9.	
		CARY ET AL., "Mussel growth supported by methane as sole carbon and energy source", <i>Science</i> , 240:78-80, 1988.	
		SCHMIDT ET AL., "Gas hydrates and methane plumes at Hydrate Ridge", 13 pages, 2004.	

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		Anonymous, "Lost City Expedition: Sampling Gases from the Seafloor: Rock-Microbe Linkages", undated, http://www.lostcity.washington.edu/science/instruments/shipboardsamplers/gasesfromseafloor.html	

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